MULTIMEDIA UNIVERSITY®

STUDENT ID NO

MULTIMEDIA UNIVERSITY

FINAL EXAMINATION

TRIMESTER 1, 2015/2016

PCA0075 – COMPUTER APPLICATIONS AND WEB DESIGN

(Foundation in Law)

12 OCTOBER 2015
9.00 a.m. – 11.00 a.m.
(2 Hours)

INSTRUCTIONS TO STUDENT

1. This question paper consists of **THREE** pages (excluding the cover page).
2. Answer **FIVE** out of **SIX** questions. Marks will be given for the first five questions answered.
3. Write your answers in the Answer Booklet.

Instructions: Answer **FIVE** questions only. Write your answers in the Answer Booklet.

QUESTION 1 [10 Marks]

a. Most of our daily activities use information from computer and network. Give **TWO (2)** advantages and **TWO (2)** disadvantages of using computer.

(4 marks)

b. There are several different categories of computer available according to our needs. How is mobile computer differ from mobile device? Support your answer with **ONE (1)** example for each of the categories.

(3 marks)

c. Nowadays, computer communication allows people to communicate using applications such as Facebook and email. What is computer communication? Identify **FOUR (4)** components required in computer communication.

(3 marks)

QUESTION 2 [10 Marks]

Halim wants to install an interactive kiosk at his company. This kiosk will provide better accessibility of information for customer especially for those who are disabled. Customer are able to view product's catalogue, place order, and do payment using their bank or credit card. It also able to print the summary of transaction for the customer.

a. What is the difference between input and output?

(2 marks)

b. Suggest **TWO (2)** input devices and **TWO (2)** output devices required by the kiosk.

(2 marks)

c. Halim has to ensure that all information used in the kiosk system is accurate and well maintained. List and briefly explain **FOUR (4)** characteristics of valuable information.

(6 marks)

Continued ...

QUESTION 3 [10 Marks]

a. Computer is an electronic device which is capable to receive data and produce information. It consists of electronic components such as processor, motherboard, adapter card and memory. What is an adapter card?

(1 mark)

b. Name and briefly explain **TWO (2)** types of memory. Give **ONE (1)** example for each of the type.

(4 marks)

c. Sara is assigned to setup a network for her office. What is the most suitable network classification for her? Explain briefly.

(1.5 marks)

d. Based on your answer in 3(c), suggest and briefly explain **ONE (1)** most commonly used network topology. Give **TWO (2)** advantages of using this topology.

(3.5 marks)

QUESTION 4 [10 Marks]

a. Hard disk is a device that able to store and provide quick access to large amounts of data on magnetic disk. List and briefly explain **TWO (2)** techniques used by hard disk to store data.

(3 marks)

b. Most of computer users nowadays use external hard disk to store data. Give **THREE (3)** advantages of using external hard disks over fixed disks.

(3 marks)

c. One of the safeguard towards information theft is encryption. What is encryption? Identify and briefly explain **TWO (2)** techniques used in encryption.

(4 marks)

QUESTION 5 [10 Marks]

a. System software is the program that control or maintain the operations of the computer and its devices which consists of operating system and utility program. What is utility program? Identify **FOUR (4)** examples of utility program.

(3 marks)

b. One of the functions of operating system is to provide user interface. Why is this function important? Name and briefly explain **TWO (2)** types of user interface offered by operating system.

(4 marks)

Continued ...

c. It is important for a computer to produce correct and updated information by performing file maintenance. List and briefly explain **TWO (2)** procedures of file maintenance.

(3 marks)

QUESTION 6 [10 Marks]

a. State **TWO (2)** functions of application software.

(2 marks)

b. How do packaged software different from custom software?

(2 marks)

c. The numbers of cybercrime is increasing due to the evolution of technology and society. List and briefly explain **FOUR (4)** categories of cybercriminal.

(6 marks)

End of Paper